

IN THE CLAIMS:

Please amend the PCT Amended Claims as follows:

1. (Currently Amended) A device for tamponade of body cavities and, for example also for purposes of secure mechanical anchoring of a catheter, the device comprising:

a flexible tube segment (2) having an inner wall (4) and an outer wall (6) that enclose surround a an interior hollow space (8), so that wherein said tube segment (2) is inflatable, said tube segment (2) being and is configured fashioned without through-passing support bodies in such a way so that a displacement of tube wall material between said inner wall (4) and said outer wall (6) of said tube segment (2) is possible as inflation proceeds, characterized in that wherein said tube segment further comprises:

- a) said tube segment (2) has two ends (7,9), both of which are fastened to the a same closing element (10), configured so that a torus geometry is striven for as said inflatable tube segment (2) is filled, inflated and
- b) said closing element (10) being in the form of is a pipe nipple by means of which and said two ends (7,9) of said tube segment (2) are joined together fluid-tightly.

2. (Currently Amended) The device according to claim 1, characterized in that wherein at least said outer wall (6) is thin-walled and elastically expandable.

3. (Currently Amended) The device according to ~~either of~~ claims 1-and 2, ~~characterized in that~~ wherein at least said outer wall (6) of the tube body segment (2) has a wall thickness of a few microns.

4. (Currently Amended) The device according to ~~one of~~ claims 1-to 3, ~~characterized in that~~ wherein said tube segment (2) consists of a transparent material.

5. (Currently Amended) The device according to ~~one of~~ claims 1-to 4, ~~characterized in that~~ wherein said tube segment (2) consists of a polyurethane, a polyurethane/polyvinyl chloride mixture, or a comparable polyurethane-based material or a polymer having comparable expansion and processing characteristics.

6. (Currently Amended) The device according to ~~one of~~ claims 1-to 5, ~~characterized in that~~ wherein said tube segment (2) is arranged configured for the reversible, sealing securement of a catheter at the end of a catheter shaft (15).

7. (Currently Amended) The device according to ~~one of~~ claims 1-to 6, ~~characterized in that~~ wherein said tube segment (2) is formed by invaginating a single-walled tube section (1).

8. (Currently Amended) The device according to ~~one of~~ claims 1-to 7, ~~characterized in that~~ wherein at least one end (7 or 9) of said tube section (1) is attached to a the catheter

shaft (15).

9. (Currently Amended) The device according to ~~one of~~ claims 1-to-8, characterized in that wherein a channel (13) for the delivery and/or discharge of a fluid opens into the interior space (8) formed by said walls (4, 6) of said tube segment (2).

10. (Currently Amended) The device according to ~~one of~~ claims 1-to-9 7, characterized in that wherein said tube section (1) or a portion thereof is preformed as a single-walled tube ~~with~~ in the shape of a roll before being fashioned into a tube segment (2) by invagination.

11. (Currently Amended) The device according to claim 10, characterized in that wherein ~~the~~ a bulge produced vertically to the plane of rotation of said tube segment (2) by ~~said~~ the invagination is thickened by said preforming.

12. (Currently Amended) The device according to claim 10, characterized in that wherein said tube section (1) is preformed in such a way that ~~the~~ a tube portion (3) that forms the inner wall of said tube segment (2) after invagination is smaller in cross section and has a greater wall thickness than ~~the~~ a tube portion (5) forming the outer wall (6).

13. (Currently Amended) The device according to ~~one of~~ claims 1-to-12, characterized in that wherein said tube portion (3) is ~~fashioned~~ provided with a uniform wall thickness and a

uniform inner diameter.

14. (Currently Amended) The device according to ~~one of~~ claims 1-~~to~~ 13, characterized in that wherein said tube segment (2) is implemented with a residual volume.

15. (Currently Amended) The device according to ~~one of~~ claims 1-~~to~~ 14, characterized in that wherein said a channel (13) is connected via a flexible connecting tube to a valve (14) disposed outside said tube segment (2).

16. (Currently Amended) The device according to claim 15, characterized in that wherein said valve (14) is implemented as includes a valve lip.

17. (Currently Amended) The device according to ~~one of~~ claims 1-~~to~~ 15, characterized in that wherein provided as said valve (14) is a circular sleeve made consisting of flexible material and disposed between said tube ends (7, 9).

18. (Currently Amended) The device according to ~~one of~~ claims 1-~~to~~ 17, characterized in that wherein a clamping closure (21) having a longitudinally displacable sleeve (22) is slidably attached to ~~slid onto~~ said tube segment (2)-is a clamping closure (21) having a longitudinally displaceable sleeve (22).

19. (Currently Amended) The device according to ~~one of~~ claims 1-~~to~~ 17, characterized in that wherein a collar-shaped

abutment (16) is disposed on a selected one of said pipe nipple  
~~(10)~~ or and said catheter shaft (15).

20. (Currently Amended) The device according to ~~one of~~  
claims 1-to-19, ~~characterized in that~~ wherein a pressure sensor  
is contained in said an interior space (20).

21. (Currently Amended) The device according to ~~one of~~  
claims 1-to-20, ~~characterized in that~~ wherein a medically active  
substance can be introduced into the interior space (8) enclosed  
by said tube segment (2).

22. (Currently Amended) The device according to claim 21,  
~~characterized in that~~ wherein said medically active substance  
has at least one of radioactive and/or chemotherapeutic  
properties.

23. (Currently Amended) The device according to ~~either of~~  
claims 21-and-22, ~~characterized in that~~ wherein said tube  
segment (2) is covered in at least one subregion by a shield  
(21) and ~~in that~~ said shielding suppresses or decreases the  
medicinal activity of the substance in the shielded subregion.

24. (Currently Amended) The device according to ~~one of~~  
claims 1-to-20, ~~characterized in that~~ wherein a radiographic  
contrast medium can be introduced into the interior space (8)  
enclosed by said tube segment (2).

25. (Currently Amended) The device according to claims 1 to 24, ~~characterized in that~~ wherein said tube segment (2) has at least one of substances ~~or~~ and bodies affixed to ~~its~~ a surface.

26. (Currently Amended) The device according to claim 25, wherein with the substances or bodies affixed to ~~its the~~ surface, ~~characterized in that~~ said substances of said tube segment are contained in at least one of a receptacle ~~or~~ and a support ~~that is~~ connected to said tube segment.

27. (Currently Amended) The device according to claim 26, ~~characterized in that~~ wherein said substances and bodies are constituted by at least one of radioactive ~~or~~ and chemotherapeutic agents.

28. (Currently Amended) The device according to claim 25, wherein with the substances and bodies affixed to ~~its the~~ surface of said tube segment, ~~characterized in that~~ said bodies are constituted by electrodes ~~conducted~~ to the outside.